Brochure

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QuantAM file preparation software for Renishaw additive manufacturing systems

QuantAM – quick to learn, intuitive to use

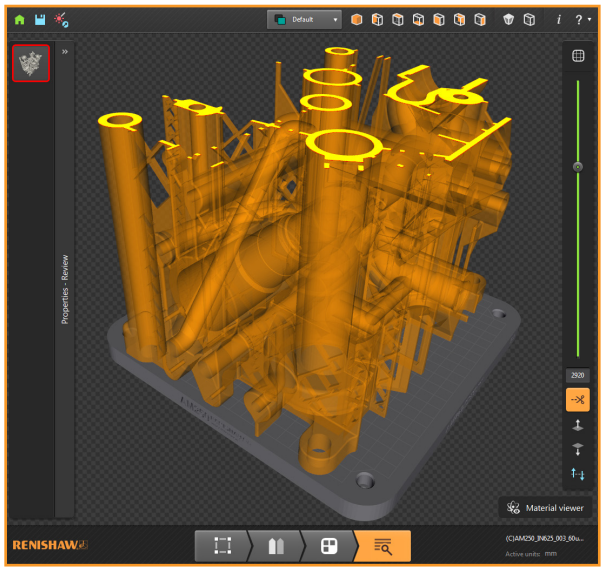
Renishaw QuantAM is a dedicated file preparation software tool for Renishaw additive manufacturing (AM) systems. With an intuitive workflow and easy navigation QuantAM accepts CAD exports in the form of .STL data and allows you to prepare your model for the AM process.

QuantAM is designed specifically for Renishaw AM platforms, allowing tighter integration into the machine control software and the ability to accurately and rapidly review all build files for Renishaw AM systems, including those from third party packages.

QuantAM can also be used as a tool to guide your Design for Additive Manufacturing (DfAM) process, helping you unlock the benefits of additive manufacturing.

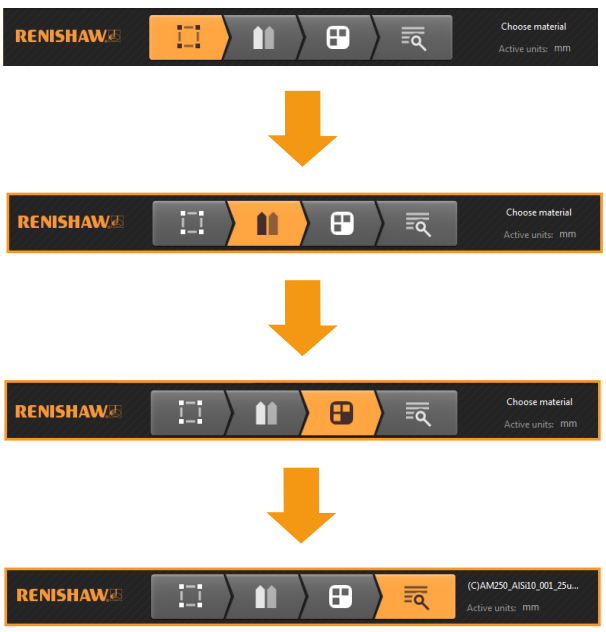
Key features

- .STL geometry import
- Part orientation
- Add support structures
- Material development module with .CSV data import for materials development arrays
- Copy and edit materials files
- Duplicate, orientate and position multiple parts
- Rapidly review your geometry and laser tool path slice-by-slice
- Review discrete laser exposures within each slice



Complex manifold showing a slice layer

Process flow



1 - Orientation

Optimally position your part

2 - Support

Apply the necessary support anchors

3 - Layout

Efficiently position multiple components

4 - Review

Check your build simulation and export

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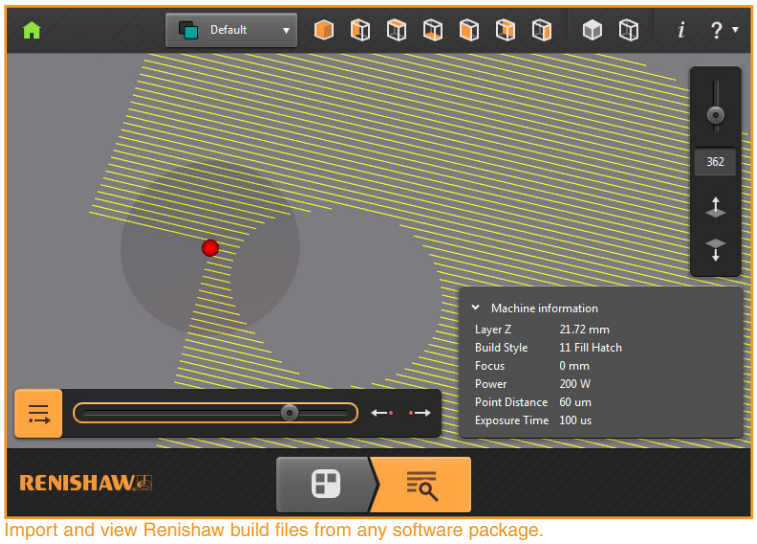
File preparation software

Digitally driven additive manufacturing systems require a file preparation stage to take the original CAD geometry and format it into a machine-readable build file. The most common CAD export format is .STL data.

Renishaw additive manufacturing systems capture the majority of process data in the build file, locking the process parameters for each build directly to the CAD model data. This ensures consistent processing and traceability of all parts manufactured.

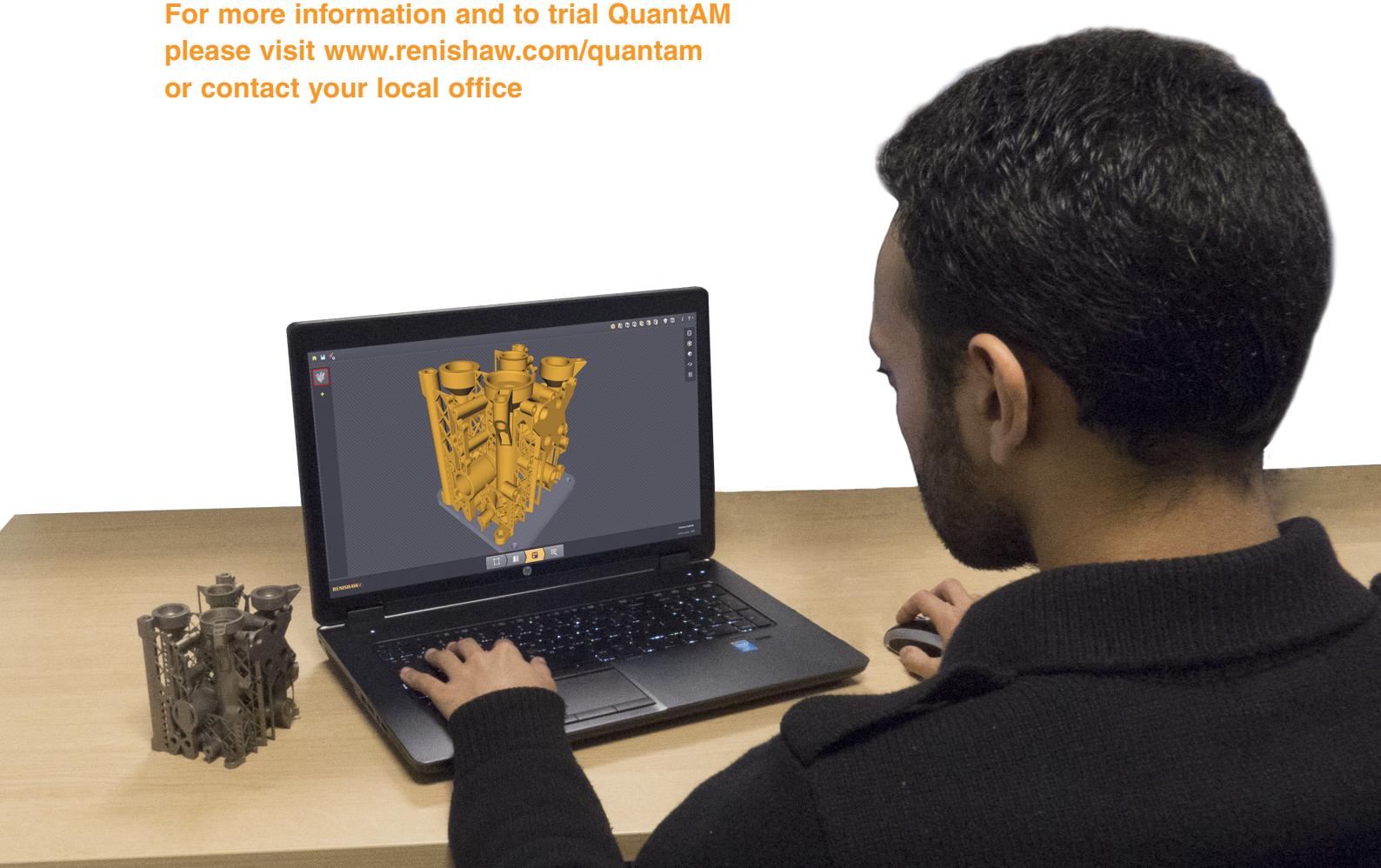


Import and view Renishaw build files from any software package.

Choosing QuantAM

Access to QuantAM is easy with subscription, maintenance and support in one simple periodic payment.

For more information and to trial QuantAM please visit www.renishaw.com/quantam or contact your local office



Renishaw plc

Stone Business Park
Brooms Road, Stone
Staffordshire, ST15 0SH
United Kingdom

T +44 (0) 1785 285000
F +44 (0) 1785 285001
E uk@renishaw.com

www.renishaw.com

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About Renishaw

Renishaw is an established world leader in engineering technologies, with a strong history of innovation in product development and manufacturing. Since its formation in 1973, the company has supplied leading-edge products that increase process productivity, improve product quality and deliver cost-effective automation solutions.

A worldwide network of subsidiary companies and distributors provides exceptional service and support for its customers.

Products include:

- Additive manufacturing and vacuum casting technologies for design, prototyping, and production applications
- Dental CAD/CAM scanning systems and supply of dental structures
- Encoder systems for high-accuracy linear, angle and rotary position feedback
- Fixturing for CMMs (co-ordinate measuring machines) and gauging systems
- Gauging systems for comparative measurement of machined parts
- High-speed laser measurement and surveying systems for use in extreme environments
- Laser and ballbar systems for performance measurement and calibration of machines
- Medical devices for neurosurgical applications
- Probe systems and software for job set-up, tool setting and inspection on CNC machine tools
- Raman spectroscopy systems for non-destructive material analysis
- Sensor systems and software for measurement on CMMs
- Styli for CMM and machine tool probe applications

For worldwide contact details, visit www.renishaw.com/contact

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